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Morbidity and Mortality Weekly Report

PUBLIC HEALTH SERVICE
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the COMMUNICABLE DISEASE CENTER MElrose 4-5131

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended October 21, 1961

Poliomyelitis – There has been an increase in the number of poliomyelitis cases reported during the current week ending October 21. A total of 59 cases, 39 paralytic, was reported. This is in contrast to the low report of 35 cases, including 20 paralytic, for the previous week.

The 1961 incidence through the current week is compared below with the corresponding time period in the past four years.

POLIO (CUMULATED WEEKLY) THROUGH THE 42ND WEEK FOR PAST FIVE YEARS

	1961	1960	1959	1958	1957
Paralytic	693	1,850	4,709	2,300	1,838
Total	1,080	2,680	7,204	4,744	5,385

The increase in reported cases during the current week is scattered throughout the nation with no evidence of localization. The paralytic case reported this week from South Carolina was the 21st case (17 paralytic) to occur in Newberry County. This case, a 32 year old white male, had onset on October 16 and died on October 20. On Thursday, October 19, 22,600 doses of Type III oral polio vaccine were administered throughout the county in a mass immunization program.

Only six States reported as many as three paralytic cases. Of the six, the cases were scattered geographically in New York, Missouri, West Virginia, Louisiana, and

Table I. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	42nd Week			Cumulative						Approximate seasonal low point
				First 42 weeks			Since seasonal low week			
* Weekly incidence low or sporadic --- Data not available - Quantity zero	Ended Oct. 21, 1961	Ended Oct. 22, 1960	Median 1956-60	1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
Anthrax-----062	-	-	*	6	15	*	*	*	*	*
Botulism-----049.1	-	-	*	5	10	*	*	*	*	*
Brucellosis (undulant fever)-----044	3	20	15	484	648	653	*	*	*	*
Diphtheria-----055	12	26	36	451	551	627	142	206	235	July 1
Encephalitis, infectious-----082	47	23	52	1,346	1,557	1,725	1,346	1,557	1,725	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,191	944	309	60,761	31,259	15,980	7,943	5,641	1,960	Sept. 1
Malaria-----110-117	1	1	*	46	59	*	*	*	*	*
Measles-----085	1,336	1,331	1,331	391,530	406,153	453,826	5,902	6,229	6,755	Sept. 1
Meningitis, aseptic-----340 pt.	97	98	---	2,639	2,474	---	2,639	2,474	---	Jan. 1
Meningococcal infections-----057	43	51	43	1,734	1,781	1,961	219	244	259	Sept. 1
Poliomyelitis-----080	59	140	248	1,080	2,680	5,373	977	2,471	4,845	Apr. 1
Paralytic-----080.0,080.1	39	98	194	693	1,850	1,828	633	1,691	1,553	Apr. 1
Nonparalytic-----080.2	14	21	42	256	560	2,676	231	535	2,515	Apr. 1
Unspecified-----080.3	6	21	12	131	270	869	113	245	777	Apr. 1
Psittacosis-----096.2	-	2	*	54	82	*	*	*	*	*
Rabies in man-----094	-	-	*	3	2	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	4,752	4,016	---	258,816	250,141	---	39,605	---	---	Aug. 1
Typhoid fever-----040	19	28	28	657	678	861	543	548	681	Apr. 1
Typhus fever, endemic-----101	1	-	*	36	55	*	*	*	*	*
Rabies in animals-----	57	43	67	2,833	2,888	3,590	199	117	190	Oct. 1

California. In Wisconsin, 3 of the 4 paralytic cases reported were from Milwaukee County. Investigations are underway.

Hepatitis – There were 1,191 cases of hepatitis reported for the current week ending October 21. This is 42 cases more than was reported the preceding week. The level of hepatitis cases has remained approximately the same since July.

EPIDEMIOLOGICAL REPORTS

Nicotinic Acid Poisoning – Pennsylvania

Two cases of nicotinic acid (niacin) poisoning involving 5 persons were recently investigated in Philadelphia, Pennsylvania. In both instances ground meats including beef and lamb were the foods implicated. Symptoms exhibited by all 5 persons were essentially the same – intense flushing of the skin, a feeling of warmth, itching, and some abdominal discomfort. The ill effects lasted from 45 minutes to an hour. Onset of symptoms occurred within 15 minutes following the ingestion of the meat. All affected individuals ate the ground meats twice and on both occasions became ill with the same syndrome. Samples of meat obtained at the home of the patients and the market where meats were purchased revealed niacin to be present in the following amounts.

Chopped lamb patties	87 mg/100 grams of meat
Ground beef patties	112 mg/100 grams of meat
Ground beef stuffed into peppers	50 mg/100 grams of meat
Ground beef	145 mg/100 grams of meat

The niacin had been added to the meat to assure retention of its color for longer periods of time, thereby increasing its shelf life. It is felt by the Philadelphia officials that the addition of niacin to ground meats is more universal than is generally suspected.

(Reported by Milton Werrin, V.M.D., Chief, Veterinary Public Health Section, Philadelphia Department of Public Health)

Hepatitis from A Chimpanzee – Connecticut

Another report has been received on human hepatitis cases possibly transmitted from a chimpanzee.

On August 8, the Director of the Children's Zoo in New London, Connecticut, purchased a chimpanzee from an importer in New York City and brought it to New London. The chimp was so young it was taken into the Director's home. He, his wife and their 16-year-old son diapered, nursed and cared for the animal.

On September 6 the wife became ill with a fever, anorexia and nausea. Five days later, she developed jaundice. On September 11, the son developed similar symptoms, and both cases were diagnosed as infectious hepatitis. On September 15 the husband and an aunt living in the home received gamma globulin. Neither he nor the aunt developed symptoms.

Prior to the Director's purchase of the chimp, it had been "farmed out" to a pet shop in New York City for a two-week period since the animal required special care. Reportedly, the chimp originated from Liberia and arrived as a single chimpanzee in a shipment of animals. Specimens from the chimpanzee, the human cases, and the contacts are being tested.

Previous reports this year in MMWR on human hepatitis cases probably transmitted from chimpanzees have involved 8 laboratory workers in Miami, Florida (MMWR Vol. 10, No. 20) and 6 zoo workers in Miami, Florida (MMWR Vol. 10, No. 35).

A summary of human hepatitis in the United States probably transmitted from chimpanzees or monkeys appeared in CDC Hepatitis Surveillance Report No. 4 (March 21, 1961).

(Epidemic reported by Dr. Mila Rindge, M.P.H., Chief, Epidemiology Section, Connecticut State Department of Health and Dr. Robert McCollum, Yale University).

Bat Rabies – Massachusetts and South Dakota

Massachusetts recently discovered and reported its first case of rabies in bats. The bat was found in Harvard, Massachusetts, and was brought to the State laboratory on September 5, 1961, after having bitten a woman the previous evening. The bat apparently flew into the open bedroom window of a child visiting his grandparents. After discovering the bat in his bedroom the youngster drove the animal into a closet, slammed the door shut and injured he bat while doing so. The boy's mother hearing the commotion arose from her sleep to investigate. Upon opening the closet door she was bitten on the toe by the bat. The bat was carried by the husband to the State Diagnostic Laboratory the next morning.

Direct impression smears of the bat's brain and salivary glands stained for Negri bodies were negative. However, mouse inoculation studies were suspicious. Tissues from both the bat and the mouse brain were sent to the Communicable Disease Center in Atlanta and were found to be positive by fluorescent antibody techniques on October 9, 1961.

The description of the bat coincided most closely with that of the small brown *Myotis lucifugus*.

This represents the first case of animal rabies discovered in Massachusetts since 1949.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 22, 1960 AND OCTOBER 21, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Meningitis, aseptic	Brucellosis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	42nd Week		Cumulative, first 42 weeks		42nd Week		Cumulative, first 42 weeks		080.2		340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES	59	140	1,080	2,680	39	98	693	1,850	14	21	97	3
NEW ENGLAND	-	8	27	207	-	7	19	162	-	1	6	-
Maine	-	4	3	38	-	4	3	38	-	-	-	-
New Hampshire	-	-	1	-	-	-	-	-	-	-	-	-
Vermont	-	-	5	7	-	-	4	2	-	-	-	-
Massachusetts	-	1	12	29	-	-	8	19	-	1	3	-
Rhode Island	-	-	1	99	-	-	1	76	-	-	3	-
Connecticut	-	3	5	34	-	3	3	27	-	-	-	-
MIDDLE ATLANTIC	10	22	282	391	8	10	186	275	-	6	2	-
New York	9	12	204	218	7	4	131	142	-	3	1	-
New Jersey	1	4	34	75	1	3	27	55	-	-	-	-
Pennsylvania	-	6	44	98	-	3	28	78	-	3	1	-
EAST NORTH CENTRAL	16	26	135	453	10	20	83	273	3	5	31	-
Ohio	5	4	41	106	2	4	19	55	1	-	1	-
Indiana	4	9	16	102	2	6	9	75	1	2	1	-
Illinois	-	5	25	131	-	3	12	88	-	2	12	-
Michigan	2	8	26	83	2	7	22	46	-	1	11	-
Wisconsin	5	-	27	31	4	-	21	9	1	-	6	-
WEST NORTH CENTRAL	4	2	63	154	3	1	28	87	-	1	8	-
Minnesota	-	1	6	49	-	1	6	41	-	-	6	-
Iowa	-	-	18	21	-	-	9	4	-	-	-	-
Missouri	4	-	20	32	3	-	6	22	-	-	1	-
North Dakota	-	-	3	14	-	-	-	5	-	-	-	-
South Dakota	-	-	1	4	-	-	-	1	-	-	-	-
Nebraska	-	1	8	15	-	-	4	8	-	1	-	-
Kansas	-	-	7	19	-	-	3	6	-	-	1	-
SOUTH ATLANTIC	14	41	185	484	7	34	135	380	7	5	10	-
Delaware	-	-	2	-	-	-	1	-	-	-	-	-
Maryland	1	18	28	126	1	14	27	115	-	4	-	-
District of Columbia	-	-	3	2	-	-	3	2	-	-	-	-
Virginia	-	7	10	31	-	7	8	28	-	-	8	-
West Virginia	5	6	29	46	3	6	19	38	2	-	-	-
North Carolina	4	4	21	80	1	4	11	60	3	-	-	-
South Carolina	1	1	32	123	1	1	24	81	-	-	-	-
Georgia	-	-	28	18	-	-	21	16	-	-	-	-
Florida	3	5	32	58	1	2	21	40	2	1	2	-
EAST SOUTH CENTRAL	-	17	74	210	-	7	42	85	-	-	2	-
Kentucky	-	10	27	117	-	-	5	5	-	-	-	-
Tennessee	-	1	17	40	-	1	8	27	-	-	-	-
Alabama	-	6	9	21	-	6	9	21	-	-	2	-
Mississippi	-	-	21	32	-	-	20	32	-	-	-	-
WEST SOUTH CENTRAL	5	6	139	254	5	5	75	157	-	1	5	1
Arkansas	-	-	17	28	-	-	7	20	-	-	-	-
Louisiana	4	1	49	47	4	-	39	28	-	1	-	-
Oklahoma	-	-	4	16	-	-	-	11	-	-	1	-
Texas	1	5	69	163	1	5	29	98	-	-	4	1
MOUNTAIN	2	5	44	73	1	3	25	38	1	-	-	-
Montana	1	2	4	18	-	2	2	14	1	-	-	-
Idaho	-	2	14	7	-	-	6	1	-	-	-	-
Wyoming	-	1	-	19	-	1	-	1	-	-	-	-
Colorado	1	-	7	15	1	-	7	14	-	-	-	-
New Mexico	-	-	3	5	-	-	-	2	-	-	-	-
Arizona	-	-	8	4	-	-	6	4	-	-	-	-
Utah	-	-	8	5	-	-	4	2	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	8	13	131	454	5	11	100	393	3	2	33	2
Washington	1	1	23	31	1	1	15	31	-	-	1	-
Oregon	2	-	16	32	1	-	8	18	1	-	-	-
California	5	12	88	382	3	10	73	335	2	2	32	2
Alaska	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii	-	-	4	7	-	-	4	7	-	-	-	-
Puerto Rico	-	3	6	472	-	3	6	465	-	-	-	-

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 22, 1960 AND OCTOBER 21, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

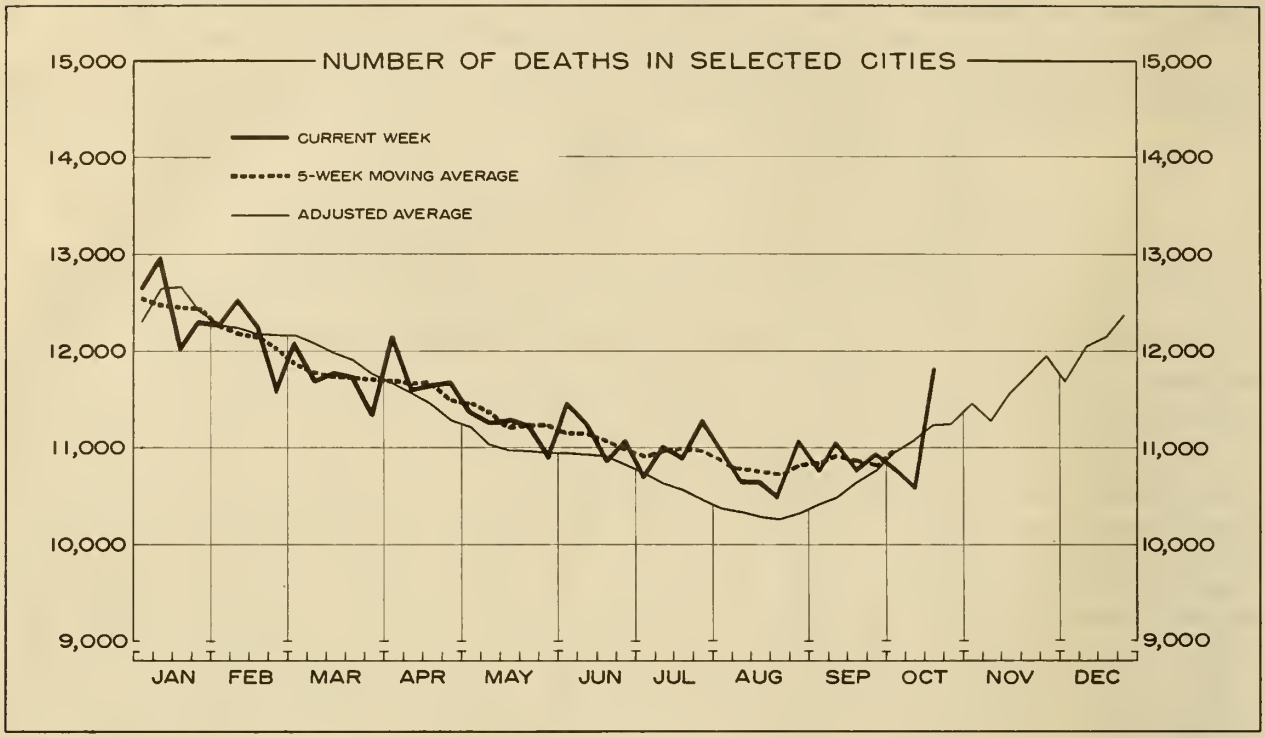
Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	42nd Week		Cumulative, first 42 weeks		082		42nd Week		Cumulative, first 42 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES	12	26	451	551	47	23	1,191	944	60,761	31,259	1,336	1,331
NEW ENGLAND	-	-	7	11	-	-	68	18	1,902	913	178	152
Maine	-	-	-	2	-	-	11	3	129	56	84	1
New Hampshire	-	-	-	-	-	-	13	-	170	27	2	3
Vermont	-	-	-	-	-	-	2	1	184	13	-	-
Massachusetts	-	-	6	8	-	-	31	7	773	453	64	130
Rhode Island	-	-	-	1	-	-	3	2	216	179	-	3
Connecticut	-	-	1	-	-	-	8	5	430	185	28	15
MIDDLE ATLANTIC	-	-	20	13	13	5	158	183	8,282	3,805	133	265
New York	-	-	7	3	11	4	83	123	3,529	2,098	73	126
New Jersey	-	-	-	2	-	1	39	7	1,962	259	13	56
Pennsylvania	-	-	13	8	2	-	36	53	2,791	1,448	47	83
EAST NORTH CENTRAL	-	-	15	38	5	-	226	147	12,073	5,588	304	322
Ohio	-	-	1	16	2	-	66	45	4,027	1,899	17	88
Indiana	-	-	1	5	-	-	22	14	1,812	631	37	38
Illinois	-	-	10	6	2	-	56	52	2,171	1,205	153	29
Michigan	-	-	3	9	-	-	72	32	3,755	1,651	64	61
Wisconsin	-	-	-	2	1	-	10	4	308	202	33	106
WEST NORTH CENTRAL	-	4	40	36	1	4	81	68	5,812	2,217	43	22
Minnesota	-	3	24	17	-	-	25	24	1,281	320	3	2
Iowa	-	-	2	7	-	2	21	2	1,708	358	17	5
Missouri	-	-	1	2	-	-	21	18	1,299	779	2	-
North Dakota	-	-	4	1	-	-	-	1	126	162	18	13
South Dakota	-	1	7	6	-	-	7	4	178	138	3	-
Nebraska	-	-	2	1	-	-	3	10	584	228	-	2
Kansas	-	-	-	2	1	2	4	9	636	232	NN	NN
SOUTH ATLANTIC	4	11	105	178	5	5	174	93	7,661	3,641	69	85
Delaware	-	-	-	-	-	-	1	10	175	218	-	9
Maryland	-	-	1	1	-	2	13	10	681	363	31	9
District of Columbia	-	-	2	-	-	-	3	-	113	42	3	-
Virginia	-	2	15	29	3	2	30	3	1,231	674	5	13
West Virginia	-	-	1	4	-	-	17	13	1,385	675	12	18
North Carolina	2	2	9	10	1	-	60	13	1,711	332	5	1
South Carolina	1	-	10	46	-	-	9	8	403	112	6	5
Georgia	-	5	31	33	-	-	9	4	684	239	-	-
Florida	1	2	36	55	1	1	32	32	1,278	986	7	30
EAST SOUTH CENTRAL	1	4	37	56	3	2	167	116	9,143	4,441	95	71
Kentucky	-	-	9	2	-	2	52	47	2,698	1,604	36	35
Tennessee	-	-	3	7	1	-	53	33	3,576	1,440	47	33
Alabama	-	3	19	27	-	-	30	28	1,580	976	8	2
Mississippi	1	1	6	20	2	-	32	8	1,289	421	4	1
WEST SOUTH CENTRAL	7	7	209	183	9	1	83	56	4,418	2,460	150	77
Arkansas	-	-	4	14	1	-	15	21	859	157	-	2
Louisiana	1	5	26	40	-	-	9	6	479	140	-	-
Oklahoma	1	1	9	18	-	-	5	-	295	291	-	1
Texas	5	1	170	111	8	1	54	29	2,785	1,872	150	74
MOUNTAIN	-	-	10	35	1	-	50	47	3,606	2,432	51	130
Montana	-	-	2	3	-	-	4	9	311	121	-	11
Idaho	-	-	-	11	-	-	4	2	270	268	6	14
Wyoming	-	-	-	5	-	-	4	2	148	26	15	79
Colorado	-	-	4	3	-	-	21	15	1,220	894	8	8
New Mexico	-	-	3	4	1	-	11	5	398	281	NN	-
Arizona	-	-	-	3	-	-	6	10	573	539	13	7
Utah	-	-	-	6	-	-	-	4	563	223	9	11
Nevada	-	-	1	-	-	-	-	-	123	80	-	-
PACIFIC	-	-	8	1	10	6	184	216	7,864	5,762	313	207
Washington	-	-	2	-	1	-	23	35	898	679	118	57
Oregon	-	-	-	-	-	-	35	38	1,221	941	44	49
California	-	-	2	-	9	6	120	128	5,320	3,877	135	92
Alaska	-	-	4	1	-	-	4	14	365	188	13	7
Hawaii	-	-	-	-	-	-	2	1	60	77	3	2
Puerto Rico	-	5	52	118	-	-	16	8	812	629	69	24

NN-Not Notifiable

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 22, 1960 AND OCTOBER 21, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria 110-117	Meningoccocal infections 057		Psittacosis 096.2	Streptococcal sore throat, etc. 050,051	Typhoid fever 040				Typhus fever, endemic 101	Rabies in animals	
						42nd Week		Cumulative, first 42 weeks				
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES	1	43	51	-	4,752	19	28	657	678	1	57	43
NEW ENGLAND	-	2	1	-	171	-	1	18	9	-	-	-
Maine	-	-	-	-	8	-	-	1	2	-	-	-
New Hampshire	-	-	-	-	3	-	-	-	-	-	-	-
Vermont	-	-	-	-	2	-	-	-	-	-	-	-
Massachusetts	-	1	1	-	41	-	1	12	4	-	-	-
Rhode Island	-	-	-	-	11	-	-	2	-	-	-	-
Connecticut	-	1	-	-	106	-	-	3	3	-	-	-
MIDDLE ATLANTIC	-	8	10	-	148	4	2	81	47	-	2	6
New York	-	5	6	-	101	4	1	45	31	-	1	6
New Jersey	-	1	1	-	22	-	-	17	2	-	-	-
Pennsylvania	-	2	3	-	25	-	1	19	14	-	1	-
EAST NORTH CENTRAL	-	15	15	-	320	2	3	83	90	-	8	3
Ohio	-	-	4	-	48	-	2	28	26	-	2	2
Indiana	-	-	-	-	81	1	1	20	23	-	1	-
Illinois	-	5	3	-	53	-	-	26	21	-	1	-
Michigan	-	8	6	-	63	1	-	6	13	-	2	1
Wisconsin	-	2	2	-	75	-	-	3	7	-	2	-
WEST NORTH CENTRAL	-	-	1	-	148	-	-	33	37	-	15	11
Minnesota	-	-	-	-	9	-	-	5	1	-	6	3
Iowa	-	-	-	-	39	-	-	2	6	-	2	3
Missouri	-	-	-	-	1	-	-	20	22	-	3	1
North Dakota	-	-	-	-	48	-	-	-	1	-	-	-
South Dakota	-	-	-	-	-	-	-	3	3	-	4	4
Nebraska	-	-	1	-	-	-	-	1	2	-	-	-
Kansas	-	-	-	-	51	-	-	2	2	-	-	-
SOUTH ATLANTIC	-	6	10	-	404	4	4	108	103	1	6	6
Delaware	-	-	-	-	1	-	-	1	1	-	-	-
Maryland	-	1	2	-	8	-	-	2	5	-	-	-
District of Columbia	-	-	1	-	3	-	1	10	8	-	-	-
Virginia	-	2	2	-	110	1	1	18	23	-	2	3
West Virginia	-	-	4	-	132	-	1	9	10	-	1	2
North Carolina	-	2	1	-	41	-	-	14	8	1	-	-
South Carolina	-	-	-	-	22	-	-	8	12	-	-	-
Georgia	-	-	-	-	13	2	1	34	24	-	1	-
Florida	-	1	-	-	74	1	-	12	12	-	2	1
EAST SOUTH CENTRAL	-	2	3	-	979	1	8	74	102	-	4	4
Kentucky	-	-	-	-	50	-	4	18	23	-	3	-
Tennessee	-	1	1	-	883	1	2	44	55	-	1	4
Alabama	-	-	1	-	18	-	2	10	19	-	-	-
Mississippi	-	1	1	-	28	-	-	2	5	-	-	-
WEST SOUTH CENTRAL	-	-	-	-	518	4	6	142	188	-	17	7
Arkansas	-	-	-	-	-	3	4	28	46	-	4	2
Louisiana	-	-	-	-	2	-	1	21	57	-	1	3
Oklahoma	-	-	-	-	5	-	-	12	12	-	-	-
Texas	-	-	-	-	511	1	1	81	73	-	12	2
MOUNTAIN	-	1	5	-	1,094	2	2	56	38	-	1	2
Montana	-	-	-	-	33	1	1	17	11	-	-	-
Idaho	-	-	-	-	47	-	-	1	3	-	-	-
Wyoming	-	-	-	-	76	-	-	3	4	-	-	-
Colorado	-	-	1	-	265	-	-	6	1	-	-	-
New Mexico	-	1	2	-	363	1	1	16	9	-	-	1
Arizona	-	-	1	-	161	-	-	7	9	-	1	1
Utah	-	-	1	-	149	-	-	2	1	-	-	-
Nevada	-	-	-	-	-	-	-	4	-	-	-	-
PACIFIC	1	9	6	-	970	2	2	62	64	-	4	4
Washington	-	-	1	-	252	-	-	7	5	-	-	-
Oregon	-	1	2	-	31	-	-	1	8	-	-	3
California	1	8	3	-	632	2	2	54	50	-	4	1
Alaska	-	-	-	-	14	-	-	-	1	-	-	-
Hawaii	-	-	-	-	41	-	-	-	-	-	-	-
Puerto Rico	-	-	1	-	7	-	1	18	19	-	-	-



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	42nd week ended Oct. 21, 1961	41st week ended Oct. 14, 1961	Adjusted average, 42nd week 1956-60	Percent change, adjusted average to current week	Cumulative, first 42 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	11,820	10,613	11,222	+5.3	479,401	482,510	-0.6
New England (14 cities)	680	671	673	+1.0	29,393	30,286	-2.9
Middle Atlantic (20 cities)	3,328*	2,922	3,105	+7.2	136,448	133,993	+1.8
East North Central (21 cities)	2,471	2,351	2,396	+3.1	102,459	104,326	-1.8
West North Central (9 cities)	821*	709	807	+1.7	32,697	33,525	-2.5
South Atlantic (11 cities)	1,075	972	944	+13.9	41,466	41,357	+0.3
East South Central (8 cities)	519	463	507	+2.4	21,661	21,861	-0.9
West South Central (13 cities)	918	952	1,004	-8.6	41,020	42,084	-2.5
Mountain (8 cities)	387	344	364	+6.3	15,320	15,107	+1.4
Pacific (13 cities)	1,621	1,229	1,422	+14.0	58,937	59,971	-1.7

*Includes estimate for missing reports.

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	42nd week ended Oct. 21, 1961	41st week ended Oct. 14, 1961	Cumulative, first 42 weeks	
			1961	1960
NEW ENGLAND:				
Boston, Mass.	256	208	10,110	10,579
Bridgeport, Conn.	30	38	1,597	1,714
Cambridge, Mass.	34	32	1,225	1,305
Fall River, Mass.	31	33	1,139	1,181
Hartford, Conn.	51	57	2,014	2,047
Lowell, Mass.	19	25	1,015	1,000
Lynn, Mass.	20	24	913	1,023
New Bedford, Mass.	33	20	1,089	1,020
New Haven, Conn.	39	37	1,901	1,876
Providence, R.I.	44	54	2,590	2,664
Somerville, Mass.	19	17	552	554
Springfield, Mass.	41	40	1,846	1,896
Waterbury, Conn.	21	33	1,116	1,149
Worcester, Mass.	42	53	2,286	2,278
MIDDLE ATLANTIC:				
Albany, N.Y.	53	40	1,920	1,791
Allentown, Pa.	39	24	1,444	1,462
Buffalo, N.Y.	170	98	6,111	6,072
Camden, N.J.	34	34	1,775	1,763
Elizabeth, N.J.	35	29	1,233	1,224
Erie, Pa.	19	35	1,620	1,619
Jersey City, N.J.	89	58	2,898	2,989
Newark, N.J.	100*	82	4,232	4,091
New York City, N.Y.	1,606	1,688	69,665	68,288
Paterson, N.J.	35	40	1,628	1,608
Philadelphia, Pa.	484	364	21,256	20,529
Pittsburgh, Pa.	286	112	8,035	8,040
Reading, Pa.	23	27	978	993
Rochester, N.Y.	108	81	4,223	4,201
Schenectady, N.Y.	39	26	1,023	989
Scranton, Pa.	41	33	1,485	1,569
Syracuse, N.Y.	64	63	2,560	2,614
Trenton, N.J.	45	31	1,891	1,733
Utica, N.Y.	28	30	1,180	1,136
Yonkers, N.Y.	30	27	1,291	1,282
EAST NORTH CENTRAL:				
Akron, Ohio	57	61	2,398	2,384
Canton, Ohio	34	35	1,301	1,461
Chicago, Ill.	726	704	31,001	32,204
Cincinnati, Ohio	141	161	6,533	6,605
Cleveland, Ohio	219	210	8,504	8,821
Columbus, Ohio	129	95	4,796	4,931
Dayton, Ohio	82	75	3,355	3,127
Detroit, Mich.	318	309	13,903	14,203
Evansville, Ind.	35	33	1,516	1,535
Flint, Mich.	41	34	1,778	1,684
Fort Wayne, Ind.	30	38	1,588	1,535
Gary, Ind.	34	37	1,283	1,299
Grand Rapids, Mich.	52	50	1,902	1,730
Indianapolis, Ind.	172	136	5,955	6,091
Madison, Wis.	23	20	1,357	1,320
Milwaukee, Wis.	132	117	5,145	5,249
Peoria, Ill.	16	35	1,186	1,272
Rockford, Ill.	25	30	1,192	1,184
South Bend, Ind.	32	26	1,204	1,223
Toledo, Ohio	113	97	4,142	4,171
Youngstown, Ohio	60	48	2,420	2,297
WEST NORTH CENTRAL:				
Des Moines, Iowa	57	53	2,268	2,286
Duluth, Minn.	28	18	1,077	1,070
Kansas City, Kans.	35*	42	1,570	1,464
Kansas City, Mo.	141	131	5,376	5,244
Lincoln, Nebr.	(30)	(27)	(1,171)	(1,090)
Minneapolis, Minn.	112	79	4,947	5,237
Omaha, Nebr.	61	88	2,905	3,073
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.	256	207	9,838	10,301
St. Paul, Minn.	77	57	2,763	2,907
Wichita, Kans.	54	34	1,953	1,943
SOUTH ATLANTIC:				
Atlanta, Ga.	122	120	4,756	4,911
Baltimore, Md.	295	189	10,286	10,556
Charlotte, N.C.	36	49	1,512	1,628
Jacksonville, Fla.	59	76	2,420	2,481
Miami, Fla.	73	83	3,167	3,038
Norfolk, Va.	49	47	2,081	1,676
Richmond, Va.	73	87	3,240	3,264
Savannah, Ga.	32	28	1,370	1,398
St. Petersburg, Fla.	(57)	(63)	(2,821)	(2,946)
Tampa, Fla.	76	72	2,778	2,756
Washington, D.C.	208	197	8,195	8,059
Wilmington, Del.	52	24	1,661	1,590
EAST SOUTH CENTRAL:				
Birmingham, Ala.	93	76	3,571	3,542
Chattanooga, Tenn.	43	31	1,953	1,982
Knoxville, Tenn.	11	16	1,145	1,178
Louisville, Ky.	118	93	4,757	4,813
Memphis, Tenn.	109	114	4,738	4,671
Mobile, Ala.	41	36	1,703	1,730
Montgomery, Ala.	26	30	1,338	1,450
Nashville, Tenn.	78	67	2,456	2,495
WEST SOUTH CENTRAL:				
Austin, Tex.	38	28	1,428	1,434
Baton Rouge, La.	44	37	1,169	1,216
Corpus Christi, Tex.	13	21	910	987
Dallas, Tex.	96	134	5,221	5,189
El Paso, Tex.	20	37	1,467	1,596
Fort Worth, Tex.	67	60	2,716	2,783
Houston, Tex.	155	170	6,920	7,076
Little Rock, Ark.	43	51	2,355	2,386
New Orleans, La.	177	155	7,062	7,474
Oklahoma City, Okla.	63	63	3,091	3,153
San Antonio, Tex.	88	104	4,264	4,224
Shreveport, La.	63	37	2,115	2,273
Tulsa, Okla.	51	55	2,302	2,293
MOUNTAIN:				
Albuquerque, N. Mex.	39	34	1,320	1,293
Colorado Springs, Colo.	12	16	686	702
Denver, Colo.	125	110	4,841	5,005
Ogden, Utah	12	12	689	700
Phoenix, Ariz.	98	87	3,460	3,195
Pueblo, Colo.	19	15	710	689
Salt Lake City, Utah	37	37	2,008	2,038
Tucson, Ariz.	45	33	1,606	1,485
PACIFIC:				
Berkeley, Calif.	27	12	728	712
Fresno, Calif.	(45)	(35)	(1,809)	(1,821)
Glendale, Calif.	(42)	(18)	(1,387)	(1,588)
Honolulu, Hawaii	42	41	1,690	1,728
Long Beach, Calif.	67	48	2,329	2,272
Los Angeles, Calif.	560	441	20,814	21,087
Oakland, Calif.	116	100	4,054	4,040
Pasadena, Calif.	47	25	1,397	1,444
Portland, Oreg.	92	95	4,457	4,624
Sacramento, Calif.	55	57	2,587	2,439
San Diego, Calif.	118	88	3,735	3,823
San Francisco, Calif.	232	149	8,128	8,301
San Jose, Calif.	(31)	(29)	(1,461)	(1,450)
Seattle, Wash.	167	97	5,439	5,798
Spokane, Wash.	55	42	1,975	1,995
Tacoma, Wash.	43	34	1,604	1,708
San Juan, P. R.	(43)	(23)	(1,410)	(1,476)

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

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South Dakota has also reported its first case of bat rabies. On September 10, 1961, a man and his wife were trimming trees on their grounds. The wife was wearing a pullover-type sweater. In removing the sweater, she was bitten on the tip of the finger and her first impression was that she was stung by a wasp. The bat fluttered to the ground from the sweater and apparently made no attempt to escape when picked up and placed in a jar. A science teacher was asked if he would care to use the bat in any of his classroom studies, and since he was aware of the possibility of rabies in bats, suggested that it be submitted for diagnosis. The bat was presented dead to a veterinarian at Miller, South Dakota, on September 11th and was forwarded at once to South Dakota State College. It was identified as a hoary bat. A positive diagnosis of rabies was made on September 12. The woman was informed and was started on immunizations that day.

To date, bat rabies cases have been confirmed in 35 States.

(Reported by A. L. Frechette, M.D. Commissioner, Commonwealth of Massachusetts Department of Public Health; and Dr. G. S. Harshfield, South Dakota State College and B. Diamond, South Dakota State Department of Health.)

INTERNATIONAL NOTES – QUARANTINE MEASURES

Smallpox – Belgium

The World Health Organization reported a case of smallpox in Brussels, Belgium. The report indicated that a 17-month-old child had entered Brussels on October 12 on a commercial airlines from Leopoldville, The Congo. The child was hospitalized on October 14; the diagnosis of smallpox was made on October 16; and the child died on October 18. One traveler who accompanied the child from Leopoldville to Rome flew on to Idlewild Airport, New York City. This traveler had a valid vaccination certificate and his family has been vaccinated and will be kept under surveillance.

All travelers from Brussels are required to have valid smallpox certificates.

Cholera – Far East

The World Health Organization declared Hong Kong and Macao free of cholera on October 12. Sarawak was declared free of cholera on October 19. Valid cholera vaccination certificates and surveillance of unvaccinated persons are no longer required for travelers from these areas to the United States.

Unofficial information received indicates that vaccination against cholera is still being required for all arrivals into Formosa.

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

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